



(19)

(11) Publication number: 06017291 A

Generated Document.

## PATENT ABSTRACTS OF JAPAN

(21) Application number: 04176335

(51) Intl. Cl.: C25D 7/12 H01L 21/288

(22) Application date: 03.07.92

(30) Priority:	(71) Applicant: NEC CORP
(43) Date of application publication: 25.01.94	(72) Inventor: MORI HIROYUKI
(84) Designated contracting states:	(74) Representative:

**(54) METAL PLATING  
DEVICE****(57) Abstract:**

**PURPOSE:** To apply plating at a uniform thickness on the ground surface metal part on the surface to be plated of a semiconductor substrate.

**CONSTITUTION:** This metal plating device is provided with a cup 1 which is covered with a semiconductor substrate 4 on its aperture and stores a plating liquid 6, a bearing 10 which holds a spherical body 9 capable of swiveling a joint part of the cup 1 and a piping 7 for supplying the plating liquid 6, a mechanism which rotates a cathode electrode 5 and cylinders 8a, 8b which lift and down the end of the cup 1. The build-up part of the plating liquid generated by the gushing flow from an ejection port 2 is brought into contact with the substrate by the oscillation of the cup 1 and while the semiconductor substrate 4 is kept rotated, the plating liquid is brought into uniform contact with the overall surface of the surface

to be plated.

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